

In one embodiment, the invention provides an isolated nucleic acid molecule comprising DNA encoding a PRO618 polypeptide. In one aspect, the isolated nucleic acid comprises DNA encoding the PRO618 polypeptide having amino acid residues 1 to 802 of Figure 63 (SEQ ID NO:169), or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions. In another aspect, the isolated nucleic acid comprises DNA encoding an isolated extracellular domain of a PRO618 polypeptide having amino acid residues X to 802 of Figure 63 (SEQ ID NO:169), where X is any amino acid from 63 to 72 of Figure 63 (SEQ ID NO:169), or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions. The isolated nucleic acid sequence may comprise the cDNA insert of the DNA49152-1324 vector deposited on April 28, 1998 as ATCC 209813 which includes the nucleotide sequence encoding PRO618.

In another embodiment, the invention provides isolated PRO618 polypeptide. In particular, the invention provides isolated native sequence PRO618 polypeptide, which in one embodiment, includes an amino acid sequence comprising residues 1 to 802 of Figure 63 (SEQ ID NO:169). An additional embodiment of the present invention is directed to an isolated extracellular domain of a PRO618 polypeptide comprising amino acid X to 802 where X is any amino acid from 63 to 72 of Figure 63 (SEQ ID NO:169). Optionally, the PRO618 polypeptide is obtained or is obtainable by expressing the polypeptide encoded by the cDNA insert of the DNA49152-1324 vector deposited on April 28, 1998 as ATCC 209813.

In another embodiment, the invention provides an expressed sequence tag (EST) comprising the nucleotide sequence of SEQ ID NO:170, designated herein as DNA35597 (see Figure 64).

27. PRO719

Applicants have identified a cDNA clone that encodes a novel polypeptide having homology to lipoprotein lipase H, wherein the polypeptide is designated in the present application as "PRO719".

In one embodiment, the invention provides an isolated nucleic acid molecule comprising DNA encoding a PRO719 polypeptide. In one aspect, the isolated nucleic acid comprises DNA encoding the PRO719 polypeptide having amino acid residues 1 to 354 of Figure 66 (SEQ ID NO:178), or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions. In another aspect, the isolated nucleic acid comprises DNA encoding the PRO719 polypeptide having amino acid residues about 17 to 354 of Figure 66 (SEQ ID NO:178), or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions. The isolated nucleic acid sequence may comprise the cDNA insert of the DNA49646-1327 vector deposited on March 26, 1998 as ATCC 209705 which includes the nucleotide sequence encoding PRO719.

In another embodiment, the invention provides isolated PRO719 polypeptide. In particular, the invention provides isolated native sequence PRO719 polypeptide, which in one embodiment, includes an amino acid sequence comprising residues 1 to 354 of Figure 66 (SEQ ID NO:178). In another embodiment, the invention provides isolated PRO719 polypeptide which comprises residues about 17 to 354 of Figure 66 (SEQ ID NO:178). Optionally, the PRO719 polypeptide is obtained or is obtainable by expressing the polypeptide

encoded by the cDNA insert of the DNA49646-1327 vector deposited on March 26, 1998 as ATCC 209705.

28. PRO724

Applicants have identified a cDNA clone that encodes a novel polypeptide having homology to the LDL receptor, wherein the polypeptide is designated in the present application as "PRO724".

In one embodiment, the invention provides an isolated nucleic acid molecule comprising DNA encoding a PRO724 polypeptide. In one aspect, the isolated nucleic acid comprises DNA encoding the PRO724 polypeptide having amino acid residues 1 to 713 of Figure 68 (SEQ ID NO:183), or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions. In another aspect, the isolated nucleic acid comprises DNA encoding a soluble PRO724 polypeptide having amino acid residues 1 to X of Figure 68 (SEQ ID NO:183) where X is any amino acid from amino acid 437 to 446, or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions. The above two polypeptides may either possess or not possess the signal peptide. The isolated nucleic acid sequence may comprise the cDNA insert of the DNA49631-1328 vector deposited on April 28, 1998 as ATCC 209806 which includes the nucleotide sequence encoding PRO724.

In another embodiment, the invention provides isolated PRO724 polypeptide. In particular, the invention provides isolated native sequence PRO724 polypeptide, which in one embodiment, includes an amino acid sequence comprising residues 1 to 713 of Figure 68 (SEQ ID NO:183). In another embodiment, the invention provides isolated soluble PRO724 polypeptide. In particular, the invention provides isolated soluble PRO724 polypeptide, which in one embodiment, includes an amino acid sequence comprising residues 1 to X of Figure 68 (SEQ ID NO:183), where X is any amino acid from 437 to 446 of the sequence shown in Figure 68 (SEQ ID NO:183). Optionally, the PRO724 polypeptide is obtained or is obtainable by expressing the polypeptide encoded by the cDNA insert of the DNA49631-1328 vector deposited on April 28, 1998 as ATCC 209806.

29. PRO772

Applicants have identified a cDNA clone that encodes a novel polypeptide having homology to A4 protein, wherein the polypeptide is designated in the present application as "PRO772".

In one embodiment, the invention provides an isolated nucleic acid molecule comprising DNA encoding a PRO772 polypeptide. In one aspect, the isolated nucleic acid comprises DNA encoding the PRO772 polypeptide having amino acid residues 1 to 152 of Figure 70 (SEQ ID NO:190), or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions. In other aspects, the isolated nucleic acid comprises DNA encoding the PRO772 polypeptide having amino acid residues 1 to X of Figure 70 (SEQ ID NO:190), where X is any amino acid from 21 to 30 of Figure 70 (SEQ ID NO:190), or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions. The isolated nucleic acid sequence may comprise the cDNA insert of the DNA49645-1347 vector deposited on April 28, 1998 as ATCC 209809 which includes the nucleotide sequence encoding PRO772.

In another embodiment, the invention provides isolated PRO772 polypeptide. In particular, the invention provides isolated native sequence PRO772 polypeptide, which in one embodiment, includes an amino acid sequence comprising residues 1 to 152 of Figure 70 (SEQ ID NO:190). Additional embodiments of the present invention are directed to PRO772 polypeptides comprising amino acids 1 to X of Figure 70 (SEQ ID NO:190), where X is any amino acid from 21 to 30 of Figure 70 (SEQ ID NO:190). Optionally, the PRO772 polypeptide is obtained or is obtainable by expressing the polypeptide encoded by the cDNA insert of the DNA49645-1347 vector deposited on April 28, 1998 as ATCC 209809.

In another embodiment, the invention provides an expressed sequence tag (EST) designated herein as DNA43509 comprising the nucleotide sequence of SEQ ID NO:191 (Figure 71).

30. PRO852

Applicants have identified a cDNA clone that encodes a novel polypeptide having homology to various protease enzymes, wherein the polypeptide is designated in the present application as "PRO852".

In one embodiment, the invention provides an isolated nucleic acid molecule comprising DNA encoding a PRO852 polypeptide. In one aspect, the isolated nucleic acid comprises DNA encoding the PRO852 polypeptide having amino acid residues 1 to 518 of Figure 73 (SEQ ID NO:196), or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions. In other aspects, the isolated nucleic acid comprises DNA encoding the PRO852 polypeptide having amino acid residues about 21 to 518 of Figure 73 (SEQ ID NO:196) or 1 or about 21 to X of Figure 73 (SEQ ID NO:196) where X is any amino acid from amino acid 461 to amino acid 470 of Figure 73 (SEQ ID NO:196), or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions. The isolated nucleic acid sequence may comprise the cDNA insert of the DNA45493-1349 vector deposited on April 28, 1998 as ATCC 209805 which includes the nucleotide sequence encoding PRO852.

In another embodiment, the invention provides isolated PRO852 polypeptide. In particular, the invention provides isolated native sequence PRO852 polypeptide, which in one embodiment, includes an amino acid sequence comprising residues 1 to 518 of Figure 73 (SEQ ID NO:196). In other embodiments, the PRO852 comprises amino acids about 21 to amino acid 518 of Figure 73 (SEQ ID NO:196) or amino acids 1 or about 21 to X of Figure 73 (SEQ ID NO:196), where X is any amino acid from amino acid 461 to amino acid 470 of Figure 73 (SEQ ID NO:196). Optionally, the PRO852 polypeptide is obtained or is obtainable by expressing the polypeptide encoded by the cDNA insert of the DNA45493-1349 vector deposited on April 28, 1998 as ATCC 209805.

31. PRO853

Applicants have identified a cDNA clone that encodes a novel polypeptide having sequence similarity to reductase, wherein the polypeptide is designated in the present application as "PRO853".

In one embodiment, the invention provides an isolated nucleic acid molecule comprising DNA encoding a PRO853 polypeptide. In one aspect, the isolated nucleic acid comprises DNA encoding the PRO853